

PAT-NO: JP410226865A

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TITLE: HOT DIP ZINC-ALUMINUM-MAGNESIUM PLATED STEEL  
SHEET GOOD  
IN CORROSION RESISTANCE AND SURFACE APPEARANCE  
AND ITS  
PRODUCTION

PUBN-DATE: August 25, 1998

INVENTOR-INFORMATION:

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INT-CL (IPC): C23C002/06, C22C018/04

ABSTRACT:

PROBLEM TO BE SOLVED: To obtain a hot dip Zn-Al-Mg plated steel sheet good in corrosion resistance and surface appearance.

SOLUTION: This hot dip Zn base plated steel sheet is the one in which a hot dip Zn-Al-Mg plating layer contg., by weight, 4.0 to 10% Al, 1.0 to 4.0% Mg, and the balance Zn with inevitable impurities is formed on the surface of a steel sheet, and the plating layer has a metallic structure in which [primary crystal Al phases] or [primary crystal Al phases] and [Zn single phases] are coexistent in the basis of [the ternary eutectic structure of Al/Zn/Zn<SB>2</SB>Mg].

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